

Comparisons of Job Characteristics

Focus Occupation: [Water and Wastewater Treatment Plant and System Operators \(51-8031\)](#)

Associated Occupation: [Gas Compressor and Gas Pumping Station Operators \(53-7071\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)

Associated Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	16.8	14.8	<	Expanded education and/or training may be required
Public Safety and Security	6.9	11.8	12.7	0	Current knowledge level may be sufficient
Production and Processing	6.0	10.1	10.8	0	Current knowledge level may be sufficient
Physics	4.3	9.2	13.2	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 95

Focus Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)

Associated Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation Monitoring	6.6	12.6	11.9	0	Current skill level may be sufficient
Operation and Control	5.4	11.6	11.4	0	Current skill level may be sufficient
Equipment Maintenance	3.5	9.7	9.3	0	Current skill level may be sufficient
Repairing	3.4	9.6	9.0	0	Current skill level may be sufficient
Quality Control Analysis	5.9	9.5	10.3	0	Current skill level may be sufficient
Troubleshooting	4.5	9.0	9.3	0	Current skill level may be sufficient
Equipment Selection	3.3	5.8	7.4	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)

Associated Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	10.4	8.7	<	Some improvement in abilities may be required
Finger Dexterity	7.6	10.3	7.7	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	10.3	7.6	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	10.2	8.3	<	Some improvement in abilities may be required
Perceptual Speed	7.4	10.1	9.8	0	Current ability level may be sufficient
Auditory Attention	5.9	10.0	6.6	<<	Extensive improvement in abilities may be required
Reaction Time	4.8	9.2	7.5	<	Some improvement in abilities may be required
Rate Control	3.8	8.4	5.9	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	8.2	6.7	<	Some improvement in abilities may be required
Response Orientation	4.0	7.6	6.9	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 97

Focus Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)

Associated Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Clean equipment or machinery	20
Control operation of compressors	76
Maintain consistent production quality	50
Maintain or repair industrial or related equipment/machinery	39
Maintain production or work records	19
Monitor production machinery/equipment operation to detect problems	27
Operate chemical processing equipment	77
Operate power driven pumps	66
Operate power generation equipment	84
Test materials or solutions	73
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Water and Wastewater Treatment Plant and System Operators (51-8031)

Associated Occupation: Gas Compressor and Gas Pumping Station Operators (53-7071)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.